

Claims

1. A power station (1),
wherein the power station (1) includes at least one steam
5 turbine (5) and, for generating refrigeration, at least one
absorption-type refrigeration machine (10) is linked to the
steam turbine (5), with the absorption-type refrigeration ma-
chine (10) being operated by means of steam (12) taken from
the steam turbine (5), preferably extracted steam (12) from a
10 low-pressure section (9) of the steam turbine (5).
2. The power station (1) according to claim 1,
wherein at least a part of the steam (1) taken from the
steam turbine (5) can be routed to a heat exchanger (20) for
15 heating a heating medium (28), preferably hot water.
3. The power station (1) according to one of claims 1 or 2,
wherein the power station (1) furthermore includes at
least one gas turbine (30) whose waste heat is used for gen-
20 erating operating steam (B) for the steam turbine (5), with
the absorption-type refrigeration machine (10) being capable
of being used, additionally or alternatively to refrigerating
other consumers (32) of refrigeration, for refrigerating in-
take air (L) for the gas turbine (30).
- 25 4. A power station (50),
wherein the power station (50) includes at least one gas
turbine (52) and, for generating refrigeration, at least one
absorption-type refrigeration machine (100) is linked to the
30 gas turbine (52), with the absorption-type refrigeration ma-
chine (100) being operated by means of waste heat (AH,AH') of
the gas turbine (52).

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5. The power station (50) according to claim 4, wherein the absorption-type refrigeration machine (100) can be used, additionally or alternatively to refrigerating other consumers (32) of refrigeration, for refrigerating intake air (L) for the gas turbine (30).